MANAGEMENT INFORMATION SYSTEMS (MIS)

MIS 215. Introduction to Business Programming. (3 Credits)
I, II. Formerly CIS 215. Prerequisite: BUS 206 or INF 104 or TEC 161 with a grade of "C" or better. Introductory computer programming course using an object-oriented programming language to solve business problems. This course will introduce: algorithm concepts and development; object-oriented programming methodologies; language syntax; graphical interface design and event based programming.

View Course Learning Outcomes

1. {}

MIS 335. Database Management. (3 Credits)
I, II. Formerly CIS 335. Prerequisite: Junior standing and INF 104 or TEC 161 with a grade of "C" or better. Fundamental concepts of database Processing; conceptual; logical and physical design of databases; the use of SQL for data retrieval and relational database implementation; and data management for the enterprise.

View Course Learning Outcomes

1. {}

MIS 340. Electronic Business Technologies and Tools. (3 Credits)
II. Formerly CIS 340. Prerequisite: Junior standing and CSC 160 with a grade of "C" or better. The course provides an introduction to e-business infrastructure, tools, and the development of e-business applications with these tools. Topics include Web applications; HTML, XML; client-side and server-side and scripting languages.

View Course Learning Outcomes

1. {}

MIS 349. Applied Learning in Management Information Systems. (0.5-8 Credits)
A. Prerequisites: minimum GPA of 2.25 and 60 credit hours. Co-op Coordinator approval is required. Approved work experience directly related to academic major and/or career goals. Minimum of 80 hours work for each credit hour. Three hours may be used as a major elective.

View Course Learning Outcomes

1. {}

MIS 375. Networks and Telecommunication. (3 Credits)
A. Formerly CIS 375. Prerequisite: Junior Standing and NET 303 with a grade of "C" or better. The study of networking and telecommunications fundamentals including LANs, WANs, and the Internet. Data communication and telecommunication concepts, models, standards, and protocols are studied. Installation, configuration, and management of infrastructure technologies are practiced.

View Course Learning Outcomes

1. {}

MIS 380. Information Systems Analysis and Design. (3 Credits)
A. Formerly CIS 380. Prerequisite: Junior standing and MIS 215 with a grade of "C" or better. Systems development life cycle with the emphasis analysis and design. Topics include requirements determination, logical design, physical design, and implementation planning; feasibility analysis; RAD, prototyping, and object-oriented modeling techniques; software package evaluation, acquisition, and integration.

View Course Learning Outcomes

1. {}

MIS 410. Project Management & Practice. (3 Credits)
I. Formerly CIS 410. Prerequisite: Junior standing and (CIS 160 or NET 303 with a grade of "C" or better) This course presents the theory and practice of modern project management. The technical and behavioral aspects of project management and change management are applied within the context of an information systems project.

View Course Learning Outcomes

1. {}

MIS 430. Business Data Mining. (3 Credits)
(3) A. Formerly CIS 430. Prerequisites: (BUS 206 or INF 104 or TEC 161) and (STA 215 or STA 270), all with a grade of C or above. Introduces the basic concepts and practical business applications of data mining. Topics include: data types, data patterns, data preprocessing, data cleaning, outlier analysis, features reduction, feature discretization, data integration, data mining process, model estimation, Bayesian inference, regression analysis, classification, and prediction.

View Course Learning Outcomes

1. {}

MIS 431. Advanced Business Analytics. (3 Credits)
Prerequisites: MIS 430 with a grade of C or above. The course extends students' understanding of business applications of data mining. It reinforces students' knowledge of data-driven decision making using statistical inference. Topics include: Time-series Analysis and Forecasting; Predictive Data Mining; Linear Optimization Models; and Nonlinear optimization models.

View Course Learning Outcomes

1. {}

MIS 435. Advanced Database Topics. (3 Credits)
Prerequisites: MIS 335 with a grade of C or above. This course introduces the student to fundamental concepts of the architecture (logical and Physical) and the tasks and functions required of a database administrator. While Oracle is the Primary Database Management System utilized, the concepts and procedures presented in this course are typical for any Database Management System Server. This course also provides the student with in-depth knowledge of Data Warehousing principles and Data Warehouse techniques introducing such topics as Data Warehouse design, Extract-Transform-Load (ETL) processes, and Data Cubes.

View Course Learning Outcomes

1. {}

MIS 475. Advanced Telecommunications. (3 Credits)
A. Formerly CIS 475. Prerequisite: MIS 375 or permission of instructor. More in-depth coverage of telecommunications and networking to include installation and configuration, managing resources connectivity, running applications, monitoring and optimization, trouble shooting, and resources.

View Course Learning Outcomes

1. {}